

Science Knowledge Organiser

Biology

Year 4

Living things including Humans – Digestion and Teeth

Vocabulary

Digestive system	The human digestive system is a complex series of organs and glands that processes food
Digestion	Processing foods into nutrition energy and waste
Mouth	The mouth is an opening in the face and is the first part of digestive system. It is the place where food is chewed
Teeth	Food is chewed by teeth in the mouth
Saliva	Saliva spit , the clear liquid in your mouth that's made of water and other chemicals
Esophagus	The oesophagus is the tube-like structure that connects the mouth to the stomach.
Stomach	The stomach is a hollow organ that is a part of the digestive system that stores food.
Small intestine	The main function of the small intestine is absorption of nutrients and minerals from food
Large intestine	The large intestine is the portion of the digestive system most responsible for the absorption of water from the indigestible residue of food
Nutrients	We need many nutrients on a daily basis in order to stay healthy. The three main nutrient groups in food are carbohydrates, protein and fats.
Molars	The teeth found towards the back of the mouth. They are used for chewing and grinding.
Incisors	The biting teeth found at the front of the mouth
Canines	The pointy ones next to your front teeth . They help for tearing meat

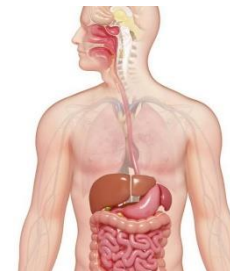
Children already know

Children have already learnt about the importance of the different nutritious food groups and have identified the need to obtain energy from different foods. Pupils also understand that energy is something that all living organisms need in order to survive.

What I will know by the end of the topic

By the end of the unit, children will understand the following declarative knowledge:

- The basic process of digestion;
- Digestion starts when the teeth start to break the food down.
- Saliva is added and the tongue rolls the food into a ball.
- The food is swallowed and passes down the oesophagus to the stomach.
- The food is broken down further by being churned around and other chemicals are added. -The food passes into the small intestine.
- Nutrients are removed from the food and leave the digestive system to be used elsewhere in the body.
- The rest of the food then passes into the large intestine.
- water is removed for use elsewhere in the body. What is left is then stored in the rectum until it leaves the body through the anus when you go to the toilet.
- Humans have four types of teeth - incisors for cutting, canines for tearing, molars and premolars for grinding (chewing).
- Humans must care for teeth or they may be lost.
- Incisors for cutting, canines for tearing, molars and premolars for grinding.
- Identifying which teeth are being used for cutting, tearing and grinding and when this occurs in chewing.



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1) Can you name the different types of teeth	2) Can you write a flow diagram on brushing your teeth	3) Can you label the organs of the body?
4) Can you explain what happens to food once you eat it?	5) Can you explain why animals need to eat?	6) Can you explain the jobs of the digestive organs?

